WHAT IS CLAIMED IS:

1. A nozzle configured to make injection molded components, comprising:

a nozzle body;

- a melt channel running through the nozzle body configured to allow melt material flow;
- a heater positioned within the nozzle body and adjacent one side of the melt channel; and
- a thermally conductive device located inside the nozzle body, the thermally conductive device being configured to produce an even heat profile along an entire length of the melt channel.
- 2. The nozzle of claim 1, wherein the heater is integral with the thermally conductive device.
 - 3. The nozzle of claim 1, further comprising a thermocouple.
- 4. The nozzle of claim 3, wherein the thermocouple is integral with the thermally conductive device.
 - 5. The nozzle of claim 3, further comprising:
- a control device configured to receive a signal from the thermocouple, wherein the heater is configured to be controlled via the control device based on the received signal from the thermocouple.
- 6. The nozzle of claim 3, wherein the thermally conductive device is located proximate one or more of the thermocouple and the heater.
- 7. The nozzle of claim 1, further comprising a plurality of melt channels.

- 8. The nozzle of claim 1, further comprising a plurality of heaters.
- 9. The nozzle of claim 1, further comprising a plurality of thermocouples.
- 10. The nozzle of claim 1, further comprising a plurality of thermally conductive devices.
 - 11. The nozzle of claim 1, wherein the nozzle is a micro nozzle.
- 12. The nozzle of claim 1, wherein the nozzle is a flat micro nozzle.
 - 13. The nozzle of claim 1, wherein the nozzle is thermal-gated.
 - 14. The nozzle of claim 1, wherein the nozzle is valve gated.
- 15. The nozzle of claim 14, wherein a valve pin is inserted into a valve channel spaced from the melt channel.
 - 16. The nozzle of claim 1, wherein the nozzle is edge gated.
- 17. The nozzle of claim 1, wherein the nozzle body is manufactured from at least one of tool steel, AreMet 100 alloy, and AreMet 300 alloy.
- 18. The nozzle of claim 1, wherein the thermally conductive device is manufactured from at least one of copper, brass, beryllium, and aluminum.

- 19. The nozzle of claim 1, wherein the heater is at least one of a film heater, a coil heater, and a cartridge heater.
- 20. The nozzle of claim 1, wherein the nozzle body is asymmetrical with respect to a longitudinal axis of the nozzle channel.
 - 21. The nozzle of claim 1, further comprising removable nozzle tip.
 - 22. The nozzle of claim 1, further comprising a nozzle seal portion.
- 23. A nozzle configured to produce injection molded components, comprising:
 - a nozzle body;
 - a melt channel located inside the nozzle body;
 - a heater located inside the nozzle body adjacent one side of the melt channel, said heater having an uneven profile with respect to the melt channel; and
 - a thermally conductive device located between the heater and the melt channel that produces an even heat profile along the melt channel.
- 24. The nozzle of claim 23, wherein the nozzle body comprises an asymmetrical nozzle body.
- 25. The nozzle of claim 23, wherein the nozzle comprises a flat nozzle.

- 26. An injection nozzle comprising:
 - a nozzle body made from a first material;
 - a melt channel located inside the nozzle body;
- a heater located inside the nozzle body adjacent on side of the melt channel; and
- a thermally conductive device located between the heater and the melt channel, the thermally conductive device being made of a second material which is more thermally conductive than the first material.
- 27. The nozzle of claim 26, wherein the nozzle body is asymmetrical.
- 28. The nozzle of claim 26, wherein the thermally conductive device is located along one side of the melt channel.
- 29. The nozzle of claim 26, wherein the nozzle comprises a flat nozzle.